WHAT IS CLAIMED IS:

1. A conveying apparatus comprising:

a rotary disc portion having a pair of parallel plate members with a region defined there between;

a gap formed on the region between the pair of parallel plate members;

a first suctioning device disposed to secure an article on the outer peripheral surfaces of the pair of parallel plate members by extracting air from the gap; and

a linear conveying portion having a pair of parallel conveying belts with a gap formed there between, the linear conveying portion being in communication with the rotary disc portion to transfer the article from the rotary disc portion to the linear conveying portion.

- 2. The conveying apparatus according to claim 1 comprising supporting members positioned in the pair of parallel plate members to hold the article in place such that the article transfers to the linear conveying portion.
- 3. The conveying apparatus according to claim 2, wherein the supporting members have a large coefficient of friction.
- 4. The conveying apparatus according to claim 2, wherein the pair of parallel plate members includes grooves provided around the peripheral surface of each of the parallel plate members.
- 5. The conveying apparatus according to claim 2, wherein the supporting members are made of rubber.
- 6. The conveying apparatus according to claim 1 further comprising a second suctioning device provided between the pair of parallel conveying belts.
- 7. The conveying apparatus according to claim 1 further comprising a side surface inspection portion for inspecting a side surface of the article.

- 8. The conveying apparatus according to claim 1, wherein the linear conveying portion includes a first conveying portion and a second conveying portion, one end of the first conveying portion in communication with the outer peripheral surfaces of the pair of parallel plate members so as to transfers the article, and one end of the second conveying portion in communication with the other end of the first conveying portion so as to further transfer the article.
- 9. The conveying apparatus according to claim 8 further comprising an aligning and supplying apparatus which aligns the article and supplies the article to the outer peripheral surfaces of the pair of parallel plate members,

the aligning and supplying apparatus being positioned opposite the first conveying portion,

wherein the rotary disc portion is disposed between the aligning and supplying apparatus and the first conveying portion.

- 10. The conveying apparatus according to claim 9, wherein the aligning and supplying apparatus includes a turntable and a width guide.
- 11. The conveying apparatus according to claim 1 further comprising an air shutting device positioned between the pair of parallel plate members and forming the slit, the air shutting device having a solid portion for preventing air suctioning.
- 12. The conveying apparatus according to claim 8 further comprising;
- a front surface inspection portion for inspecting a front surface of the article conveyed on the first conveying portion;
- a back surface inspection portion for inspecting a back surface of the article conveyed on the second conveying portion; and
 - a sorting portion for sorting the article.
- 13. The conveying apparatus according to claim 12, wherein the article is sorted in

response to results obtained from the front surface inspection portion, the back surface inspection portion or the side surface inspection portion.

14. A method for conveying an article comprising:

providing an article on a rotary disc portion having a pair of parallel plate members with a region defined there between, with a gap formed on one side of the region between the pair of parallel plate members;

securing the article on outer peripheral surfaces of the pair of parallel plate members by extracting air from the gap; and

guiding the article onto a linear conveying portion having a pair of parallel conveying belts with a gap formed there between, the linear conveying portion being in communication with the rotary disc portion to transfer the article from the rotary disc portion to the linear conveying portion.

- 15. The method for conveying according to claim 14 further comprising providing grooves provided around the peripheral surface of each of the parallel plate members.
- 16. The method for conveying according to claim 15 further comprising positioning supporting members in the grooves of the pair of parallel plate members to hold the article in place such that the article transfers to the linear conveying portion.
- 17. The method for conveying according to claim 14 further comprising inspecting a side surface of the article
- 18. The method for conveying according to claim 14 further comprising aligning and supplying the article to the outer peripheral surfaces of the pair of parallel plate members.
- 19. The method for conveying according to claim 14 further comprising: inspecting a front surface of the article conveyed; inspecting a back surface of the article conveyed; and sorting the article.

20. An aligning and supplying apparatus for mounting a conveyed article having different thickness and width and capable of being stably mounted by setting a thickness direction or a width direction to a vertical direction, respectively, comprising:

a turn table in which a step portion having a predetermined height is provided along a peripheral edge of a mounting surface;

a width guide crossing to said step portion in such a manner as to guide said conveyed article mounted on said mounting surface from a center side to an outer peripheral side due to a rotation of said turn table, having one end positioned at the center side of said turn table rather than said step portion and having another end protruding outward from the outer periphery of said step portion so as to be fixed; and

a thickness gate arranged in an upper side of said conveyed article passing within said width guide on said turn table, and having a projection portion protruding toward said conveyed article so as to be capable of getting down said conveyed article in a high attitude on said step portion without getting down said conveyed article in a low attitude at a time when said conveyed article moving along said width guide due to the rotation of said turn table rides over said step portion.